AUTODOC CLUB

How to change rear brake pad wear sensor on **BMW 3 Saloon (E90)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
BMW 3 Saloon (E90) 318d 2.0, BMW 3 Saloon (E90) 320i 2.0, BMW 3 Saloon (E90) 325i 2.5, BMW 3 Saloon (E90) 330i 3.0, BMW 3 Saloon (E90) 320d 2.0, BMW 3 Saloon (E90) 318i 2.0, BMW 3 Saloon (E90) 320si 2.0, BMW 3 Saloon (E90) 325d 3.0, BMW 3 Saloon (E90) 325i 3.0, BMW 3 Saloon (E90) 316i 1.6, BMW 3 Saloon (E90) 323i 2.5, BMW 3 Saloon (E90) 316d 2.0, BMW 3 Saloon (E90) 328i 3.0, BMW 3 Saloon (E90) 330i 3.0 (N52B30A, N52B30B, N52B30BF)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 1 Coupe (E82) 125i 3.0

REPLACEMENT: BRAKE PAD WEAR SENSOR – BMW 3 SALOON (E90). LIST OF THE TOOLS YOU'LL NEED:



- Brake cleaner
- Copper grease
- Drive socket # 10
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Wheel chock

Buy tools

Replacement: brake pad wear sensor – BMW 3 Saloon (E90). AUTODOC recommends:

- The replacement procedure is identical for both brake pad wear sensors on the same axle.
- Warning! Shut down the engine before starting any work – BMW 3 Saloon (E90).

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.

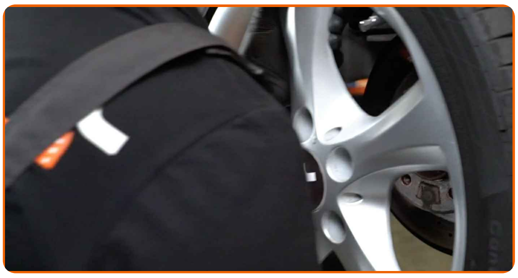
4 Unscrew the wheel bolts.



Replacement: brake pad wear sensor – BMW 3 Saloon (E90). Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5 Remove the wheel.



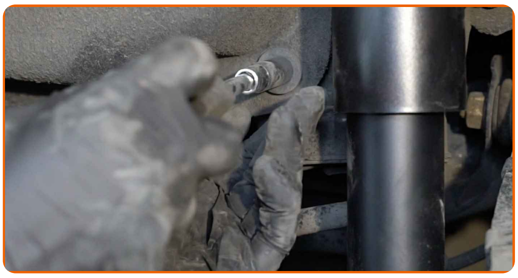
6 Remove the brake pad wear sensor from the brake pad.



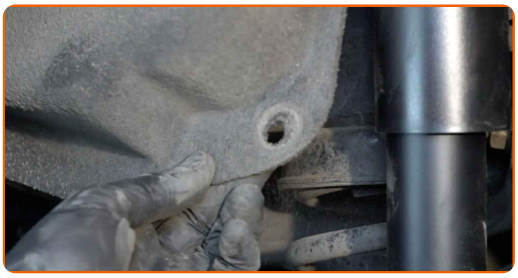
7 Disconnect the brake pads wear sensor. Use a crowbar.



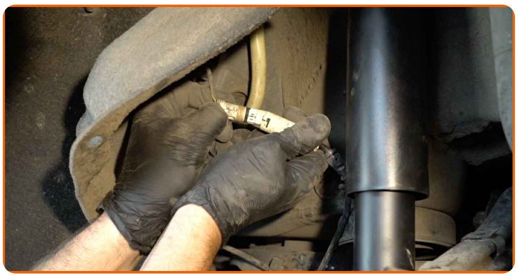
8 Unscrew the wheel arch cover fasteners. Use a drive socket #10. Use a ratchet wrench.



9 Move the part aside.



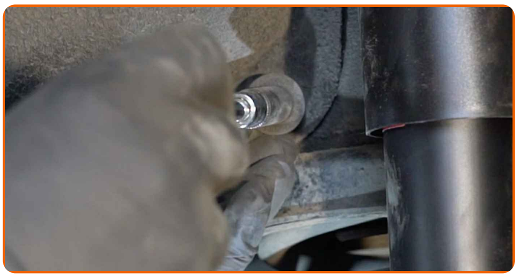
10 Disconnect the brake pad wear sensor plug.



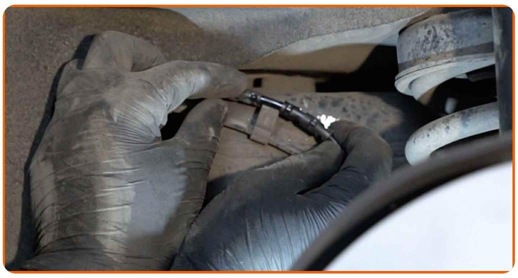
11 Connect the brake pad wear sensor plug.



12 Install the wheel arch cover to its mounting seat. Screw in the fasteners. Use a drive socket #10. Use a ratchet wrench.



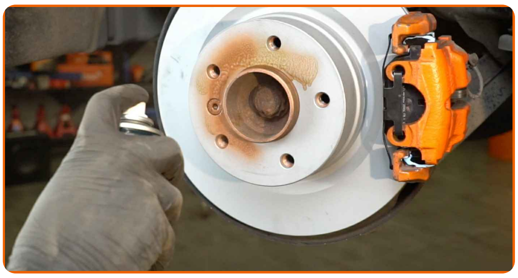
13 Connect the brake pads wear sensor.



14 Install the wear sensor on the brake pads.



15 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



16 Clean the brake disk surface. Use a brake cleaner.



Replacement: brake pad wear sensor – BMW 3 Saloon (E90). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

17 Install the wheel.



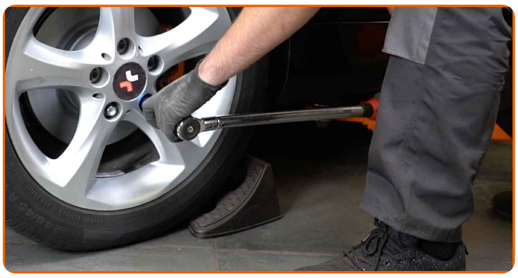
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW 3 Saloon (E90)

18 Screw in the wheel bolts. Use wheel impact socket #17.



19 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



20 Remove the jacks and chocks.



WELL DONE!

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